

## 2<sup>nd</sup> QUARTERLY PROGRAMMATIC REPORT

April 8, 1999

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 CALFED Project # 97-N01  
 Quarter Ending 03/31/99  
 Recipient Agreement 8/28/98

		Deliverables		
	<u>Name of Deliverable</u>	<u>Due Date</u>	<u>% of Work Complete</u>	<u>Date Deliverable Complete</u>
<u>Task 1 (NFWF approval on 10/8/98)</u>				
Subtask I	Draft subcontract	*	100	7/2/98
	Final subcontract	*	100	8/3/98
Subtask II	Draft EMP and QAAP	9/30/98	100	11/9/98
Subtask III	Draft subcontract	9/30/98	100	11/9/98
	Final subcontract	1 week after NFWF comments	100	1/12/99
Subtask IV	Quarterly Report 1	1/10/99	100	1/10/99
Subtask IV	Quarterly Report 2	4/12/99	100	4/12/99
Subtask V	Characterization Report	<del>03-01-00</del> 08-01-99	0	-
<u>Task 4 (NFWF approval on 10/8/98)</u>				
Subtask I	Draft subcontract	*	100	7/2/98
	Final subcontract	*	100	8/3/98
Subtask II	Prepare Scope for Arcade Creek watershed	<del>04-01-99</del> 11-01-99	4	-
Subtask III	Prepare Scope for ERA	<del>04-01-99</del> 11-01-99	4	-

\* - No due date in Task Order because final contract was submitted prior to NFWF approval of Task Orders.

## Narrative

### 1. Description of activities performed during the quarter, by task.

**TASK ORDER 1:** (Approval and NTP with Task Order 1 was received from NFWF on 10/8/98)

- January 6<sup>th</sup> - Received workgroup comments on EMP/QAPP via email.
- January 12<sup>th</sup> - Submitted final contracts for AQUA-Science and Sierra Environmental and Supplemental Agreement No. 1 for John Tomko to NFWF.
- January 28<sup>th</sup> - Submitted final EMP/QAPP to NFWF - began monitoring program development and implementation in earnest.
- February 19<sup>th</sup> - City executed contract with Sierra Environmental. Final approval of the contract with AquaScience has been delayed pending the consultant's receipt of a City of Sacramento Business Operation Tax Certificate Number.
- Activities during this quarter included the following:
  - Prepare 1<sup>st</sup> Quarterly Report.
  - Review and respond to EMP/QAPP workgroup comments.
  - Prepare ELISA Method Validation Plan including expedited 10% GC verification per EMP/QAPP workgroup comment.
  - Meetings and coordination with County/City staff and Sierra Environmental regarding their monitoring tasks responsibilities, equipment needs, schedules and manpower/resource requirements.
  - Prepared detailed sampling plans for storm event and non-storm event sampling programs.
  - Prepared detailed ELISA and QA/QC sampling plan.
  - Conducted field inspections of Arcade Creek sampling sites with Sierra Environmental, identified sampling station designs, and coordinated access with appropriate landowners.
  - Conducted field inspections of Sump sites identified sampling station designs and equipment/data needs.
  - Conducted initial training of Sierra Environmental on ELISA tests.

- Conducted QC Method Validation testing of Sierra Environmental (Suzanne Price) and city chemist (Ron Meyers), and assessed performance data. Testers did not achieve performance specifications, therefore, a second test was scheduled for April 1st.
- Collected and assessed historical rainfall data from County ALERT stations.
- Fabricate rainfall samplers.
- Assessed hydrological data for Arcade Creek. Met with USGS at AC-3 site and reviewed their hydrological data for this site. Also, discussed hydrological data with County Public Works', City Utilities', and County Alert System's personnel.
- Coordinated with pesticide registrants (Novartis and Dow Agro) for their assistance in conducting the 10% GC/MS confirmation sampling. Novartis will do GC confirmation for diazinon in-house, Dow Agro is still interviewing contract laboratories for chlorpyrifos GC confirmation.

**TASK ORDER 4:** (Approval and NTP with Task Order 1 was received from NFWF on 10/8/98).

○ Activities included the following:

- Assessed hydrological data for Arcade Creek. Met with USGS at AC-3 site and reviewed their hydrological data for this site. Also, discussed hydrological data with County Public Works', City Utilities', and County Alert System's personnel.
- Initial development of a technical workgroup to provide guidance on the content of the scopes of work for an Ecological Risk Assessment, consisting of staff from regulatory agencies, Sacramento stormwater permittees, registrants, academia, consultants, and others. The first meeting of this workgroup has been scheduled at the SETAC meeting in Concord, CA, April 25th through 27<sup>th</sup>.

2. Problems and delays encountered by task.

**TASK ORDER 1:**

- Per the Task Order, sampling was scheduled to begin December 1998 after CALFED approval of the EMP/QAPP which was scheduled for November 29, 1998. However, CALFED's comments on the draft were emailed to the City on January 6, 1999. The final EMP/QAPP was mailed to NFWF on January 28<sup>th</sup>.

- Also, sampling program implementation could not begin until the subcontracts for AquaScience and Sierra Environmental Sampling had been reviewed/approved by CalFed and executed by the City of Sacramento. Draft contracts were submitted to NFWF on November 9, 1998 and final contracts were submitted to NFWF on January 12<sup>th</sup>. No written comments were received on either of these submittals. The city proceeded with these contracts and the Sierra Environmental Sampling contract was executed as of February 19, 1999. The AquaScience Contract could not be approved because the consultant did not have a City of Sacramento Business Operation Tax Certificate Number. The consultant has submitted an application and the Certificate is in process.
- Therefore, the first sampling event has not yet occurred. It is anticipated that the first sampling event will now occur in either April or May (4 to 5 months beyond the Task Order's scheduled startup), and continue for 12 months. Hence, the characterization report submittal will also be similarly delayed to either July or August 2000.

#### **TASK ORDER 4:**

- Task Order schedule had included approximately 7 months to develop scopes of work for the watershed model and ecological risk assessment. The original schedule in the Task Order had a startup date of 9/1/98. However, the actual startup date was 10/8/98 (Task Order approval from NFWF). In addition, based upon discussions with regulatory personnel and the recent listing of this creek as an impaired water body under the federal Clean Water Act's 303(d)-listing program, it was decided that this task should be coordinated with the development of a TMDL for Arcade Creek and include the establishment of a technical workgroup to provide guidance on the content of the scopes of work for the Ecological Risk Assessment and TMDL for Arcade Creek. The first meeting of this workgroup is scheduled at the SETAC conference in Concord, CA, April 25<sup>th</sup> through 27<sup>th</sup>. Another SETAC meeting is scheduled sometime in September to discuss pesticide issues, and this meeting will be used to finalize the Scopes of Work. Therefore, the new deliverable date for the scopes of work is 11/1/99.

#### **3. Other issues or comments.**

- As noted last quarter and in the cover letter to the Addendum to the EMP/QAPP, some of the CALFED workgroup's proposed recommendations include services/actions beyond those proposed in the original EMP/QAPP. In these cases, specifically relating to the services of a professional statistician, the increased scope of the method validation study (i.e., GC/MS analyses and analyte degradation study), and the high-use sites monitoring effort, the recipient's project team feels that these additional efforts would be beneficial in enhancing the understanding of our pesticide control project. Therefore, the city will be requesting, in the near future, that CALFED provide additional funds for these activities. This request will include a summary of the additional efforts, their intended use and benefits, and their estimated costs.
- Also, additional monitoring requirements and/or data assessments are expected from the technical workgroup being established to assist in the development of an Ecological Risk Assessment (ERA) for Arcade Creek (especially considering the TMDL issue). A CALFED representative (one of the EMP/QAPP workgroup reviewers) will be participating in this ERA workgroup. Therefore, the city may also be requesting, in the near future, that CALFED provide additional funds for these activities. This request will

include a summary of the additional efforts, their intended use and benefits, and their estimated costs.

4. Projected expenses for each of the next three months:

Task Order 1

Month 1 \$ 10,000 Month 2 \$ 15,000 Month 3 \$ 15,000 Total for quarter \$ 40,000

Task Order 4

Month 1 \$ 2,000 Month 2 \$ 2,000 Month 3 \$ 2,000 Total for quarter \$ 6,000